(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 30 September 2004 (30.09.2004)

PCT

(10) International Publication Number WO 2004/084444 A1

(51) International Patent Classification7:

H04H 7/00

(21) International Application Number:

PCT/GB2004/001231

- (22) International Filing Date: 22 March 2004 (22.03.2004)
- (25) Filing Language:

(26) Publication Language:

English

(30) Priority Data: 0306603.2

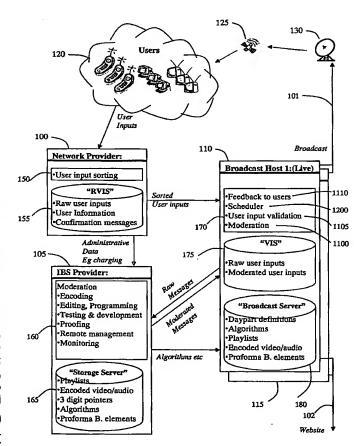
21 March 2003 (21.03.2003)

- (71) Applicant (for all designated States except US): FIRST PERSON INVESTMENTS LIMITED; Le Masurier House, La Rue le Masuier, St Helier JE2 4YE, Jersey, Channel Islands (GB).
- (71) Applicant and
- (72) Inventor: MUELLER, Daniel [CA/GB]; The Chrysalis Building, 13 Bramley Road, London W10 6SP (GB).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): CRETNEY, Francis [GB/GB]; The Chrysalis Building, 13 Bramley Road, London W10 6SP (GB).
- (74) Agent: IPULSE; 26 Mallinson Road, London SW11 1BP (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR BROADCAST COMMUNICATIONS



(57) Abstract: An interactive broadcasting system is arranged to receive and respond to user inputs in relation to broadcast material. A scheduler (1200) polls continuously for new user inputs and adjusts its scheduling appropriately, in accordance with algorithms. This might be for example to insert content from user inputs into a live or pre-recorded broadcast or to re-order elements of a broadcast, such as travel clips from a playlist. The system has many applications. Users can for example post messages or dedications, interact in discussion programmes, vote for clips from a playlist, request live feeds, enter competitions or make purchases. Optionally, the response of the scheduler (1200) can be time dependent, for instance changing algorithms or scheduled content at a particular time of day or day of the week. As well as the scheduler (1200), embodiments of the invention provide a broadcast assembly system for storing broadcast elements, processing user inputs and assembling broadcast elements in accordance with processed user inputs for broadcast communications. Embodiments of the present invention are not limited to dealing with single broadcast channels but can also be used to playout multiple interactive channels. Such multiple channels can share either content or user interactivity or each channel may be entirely different in what is broadcast.

GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.